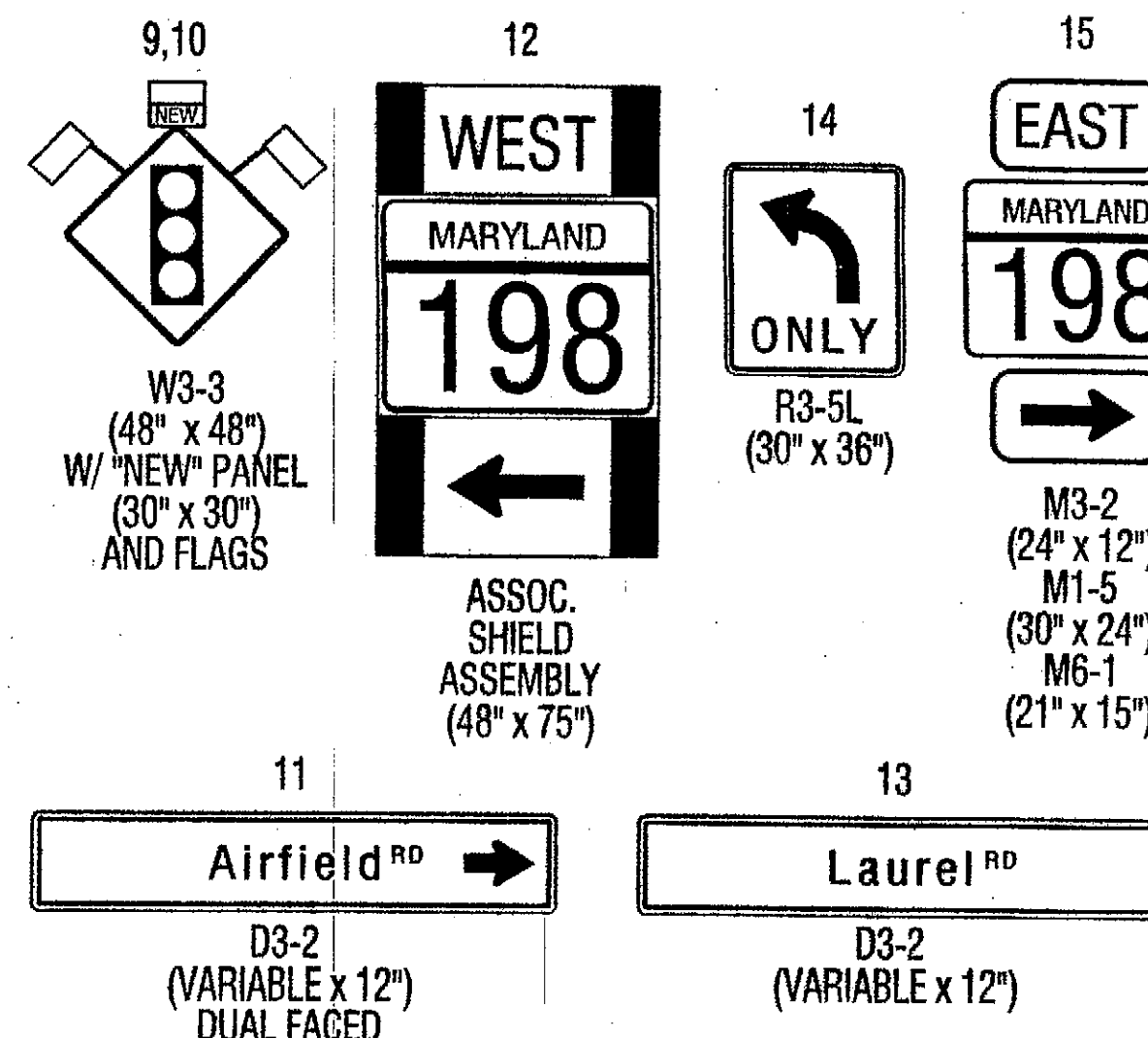
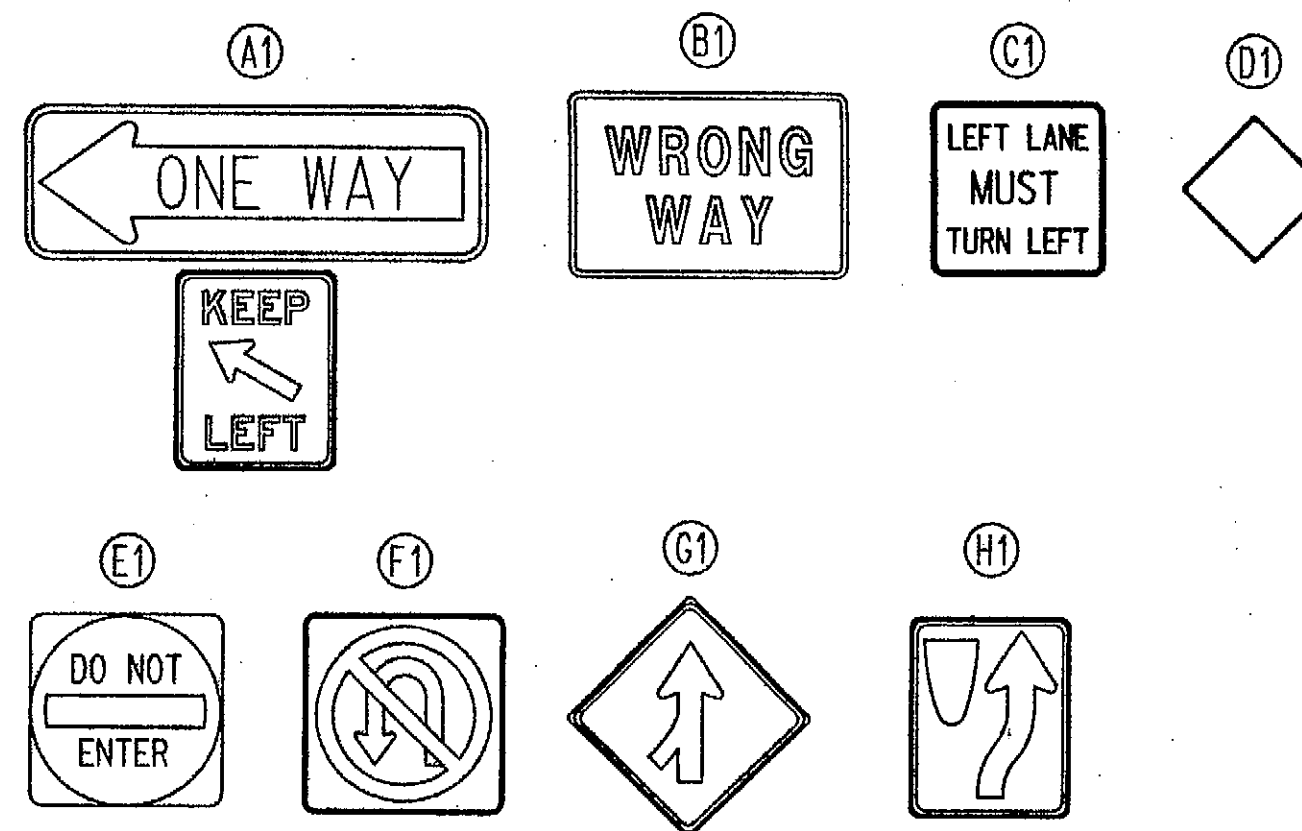


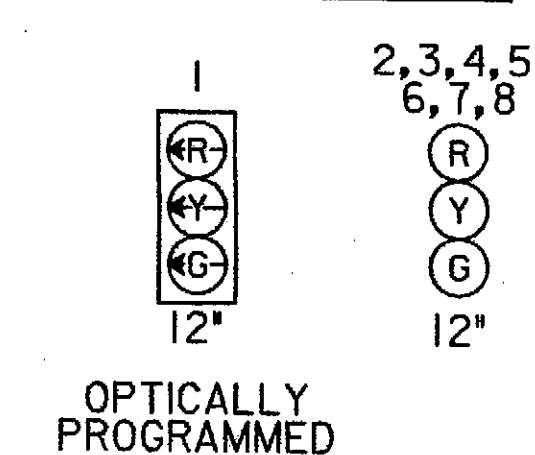
# CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY CONTROL AND DISTRIBUTION EQUIPMENT (NOTE: 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS INTO CABINET AND 1-3 IN. SCHEDULE 80, POLYVINYL CHLORIDE CONDUIT ON BACK OF CABINET).
- INSTALL 27 FT. STEEL POLE WITH TWIN MAST ARMS 60 FT./50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHTING ARM, AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
- INSTALL 27 FT. STEEL POLE WITH 38 FT. MAST ARM, SIGNAL HEADS, 20 FT. STREET LIGHTING ARM, AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
- INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 3 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 2 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL HANDHOLE.
- INSTALL 6 FT. X 30 FT. QUADRUPOLE (3-6-3) TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.

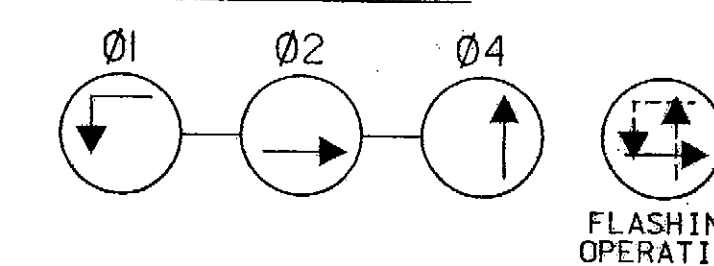
## SIGNS (TO BE INSTALLED BY OTHERS)



## SIGNAL HEADS



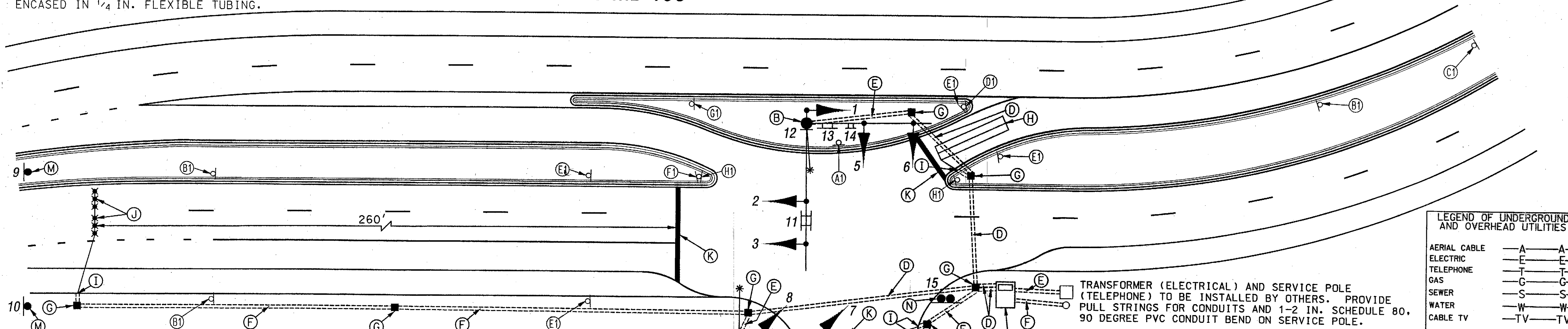
## NEMA PHASING



## PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

## RELOCATED MD 198



## LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—A—A
ELECTRIC	—E—E
TELEPHONE	—T—T
GAS	—G—G
SEWER	—S—S
WATER	—W—W
CABLE TV	—TV—TV

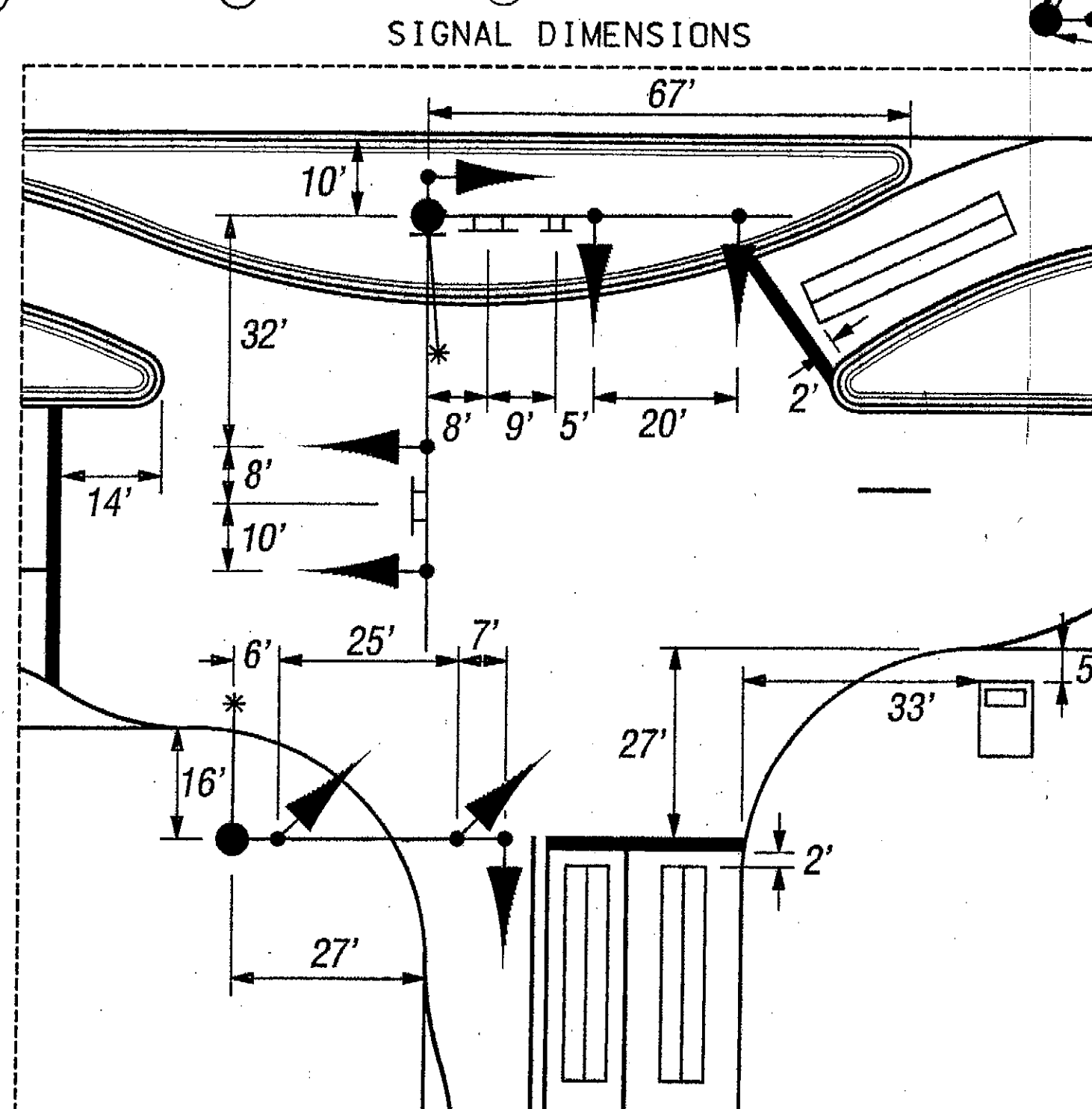
TRANSFORMER (ELECTRICAL) AND SERVICE POLE (TELEPHONE) TO BE INSTALLED BY OTHERS. PROVIDE PULL STRINGS FOR CONDUITS AND 1-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND ON SERVICE POLE.

## CONSTRUCTION NOTES

- STOP SIGN TO BE REMOVED AT TIME OF SIGNAL TURN ON
- SIGNAL HEAD LOCATIONS TO BE VERIFIED BY FIELD ENGINEER
- CONTRACTOR SHALL HAVE CATALOG CUT APPROVED BY THE OFFICE OF TRAFFIC AND SAFETY PRIOR TO PURCHASING EQUIPMENT
- FOR ADDITIONAL PAVEMENT MARKING DETAILS REFER TO THE SIGNING AND PAVEMENT MARKING PLANS ON THE CONTRACT DOCUMENTS
- THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS
- CONTRACTOR MUST VERIFY THE LOCATION OF THE PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT
- ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE
- ALL PAVEMENT MARKINGS NOT DETAILED ARE TO BE INSTALLED THROUGH THE PAVEMENT MARKING PLAN BY OTHERS

TS-1

- INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL MICRO-LOOP PROBE SET.
- INSTALL 24 IN. WHITE PERMANENT PREFORMED MARKING TAPE (STOP LINE).
- REMOVE STOP SIGN AND SUPPORT.
- INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL AND FLAGS (30 IN. X 30 IN.) ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 325 FT. IN ADVANCE OF THE INTERSECTION ON RELOCATED MD 198.
- INSTALL M3-2 "EAST", M1-5 "MD 198", AND M6-1 "RIGHT ARROW" SIGNS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS.



ENGINEERING-PLANNING-EARTH SCIENCES-SURVEYING  
**GREENHORNE & O'MARA, INC.**  
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 ROCKVILLE, MD • RALEIGH, NC • FREDERICKSBURG, VA • CHANICE, GA • ST. PETERSBURG, FL

REVISIONS	APPROVALS
	<i>[Signature]</i> 11/8/01 ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 11/13/01 ASST. DISTRICT ENGINEER, TRAFFIC
	<i>[Signature]</i> 11/13/01 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 11/13/01 DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 Traffic Signal Plan  
**MD 198 RELOCATED AT AIRFIELD ROAD RELOCATED**

DRAWN BY: CJP	F.A.P. NO. AC/HP - 665(801)N	TS NO. 4134
CHECKED BY: CJP <i>[Signature]</i>	S.H.A. NO. AA7395870	
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL CO.	T.I.M.S. NO.
DATE: OCTOBER 23, 2001	LOG MILE:	

SHEET NO. 2 OF 3